

# Converting Colors

XYZ(63.4089, 79.7831, 70.4759)

Have a look what the booklet for  
XYZ(63.4089, 79.7831, 70.4759)  
contains.

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# Color

**XYZ(63.5602, 79.9514,  
70.4747)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8F5CE
RGB	184, 245, 206
RGB Percent	72%, 96%, 81%
CMY	0.2784, 0.0392, 0.1921
CMYK	0.25, 0.00, 0.16, 0.04
HSL	142°, 75%, 84%
HSV	142°, 25%, 96%
XYZ	63.5602, 79.9514, 70.4747
YIQ	222.3150, -23.8370, -25.0610

# Conversions

## Conversions Part 2

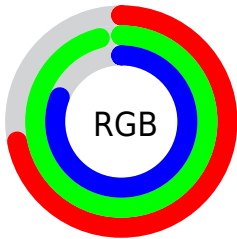
Format	Color
<b>RYB</b>	184, 229, 245
Decimal	12121550
CIELab	91.66, -26.83, 12.62
CIELCh	92, 29.647, 154.801
Yxy	79.9514, 0.2970, 0.3736
Android (android.graphics.Color)	4290311630 (0xFFB8F5CE)
YUV	222.3150, -8.0433, -33.6023
Hunter-Lab	89.4155, -29.5922, 15.8603

# Details

The XYZ color **63.5602, 79.9514, 70.4747** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.1188, 59.0232, 77.6180**, and the grayscale version is **69.7228, 73.3538, 79.8823**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **33.0710, 43.4080, 36.3413** is the 20% darker color. If you saturate the color by 10%, you get **56.3828, 76.4626, 60.6958**, and if you desaturate by 10%, it is **71.9480, 84.0467, 81.3038**.

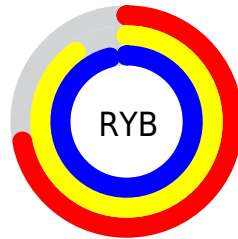
# Distribution



Red (72%)

Green (96%)

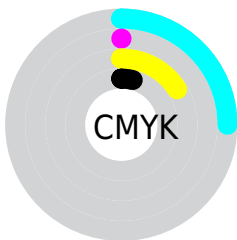
Blue (81%)



Red (72%)

Yellow (90%)

Blue (96%)

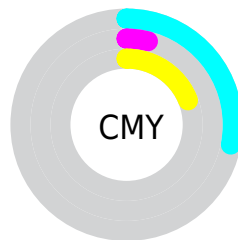


Cyan (25%)

Magenta (0%)

Yellow (16%)

Black (4%)



Cyan (28%)

Magenta (4%)


Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.5602, 79.9514, 70.4747 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 63.5602, 79.9514, 70.4747 by changing the saturation by 10% instead.




 63.5602, 79.9514,  
70.4747

 63.5602, 79.9514,  
70.4747

427.2271,  
494.7690, 481.0491

 46.5549, 59.6784,  
51.4344


 109.0546,  
133.2974, 121.5729

 32.8904, 43.1594,  
36.1753


138.2744,  
167.1392, 154.4679

 22.2013, 30.0102,  
24.2789


172.2964,  
206.2726, 192.8183

 14.1223, 19.8464,  
15.3265

211.4860,  
251.0821, 237.0426

 8.2881, 12.2834,  
8.8997

256.2085,  
301.9521, 287.5592

 4.3332, 6.9370,  
4.5799

306.8293,

 1.8923, 3.4227,

359.2670, 344.7868

1.9486

363.7137,  
423.4112, 409.1439

■ 0.5724, 1.3562,  
0.5234

■ 0.0000, 0.1841,  
0.0000

■ 63.5602, 79.9514,  
70.4747

■ 63.5602, 79.9514,  
70.4747

■ 56.3828, 76.4626,  
60.6958

■ 71.9480, 84.0467,  
81.3038

■ 50.3515, 73.5411,  
51.9301

■ 81.5937, 88.7658,  
93.2079

■ 45.4055, 71.1585,  
44.1463

■ 91.6229, 93.6594,  
106.1743

■ 41.4756, 69.2798,  
37.3095

■ 91.9439, 93.7878,  
107.8646

■ 38.4844, 67.8659,  
31.3824

■ 36.3422, 66.8713,  
26.3253

■ 34.9400, 66.2406,  
22.0950

■ 34.4302, 66.0183,  
20.2386

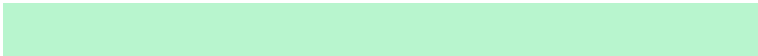
# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.9785, 79.9514, 57.0984



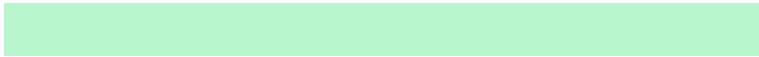
63.5602, 79.9514, 70.4747



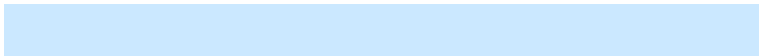
62.3825, 79.9514, 90.5914

# Triad

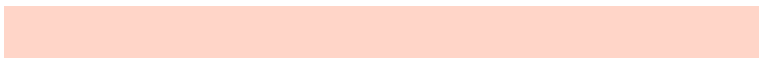
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.5602, 79.9514, 70.4747



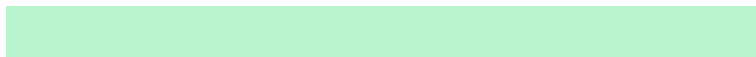
77.2169, 79.9514, 135.5844



88.5891, 79.9514, 65.3518

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



63.5602, 79.9514, 70.4747



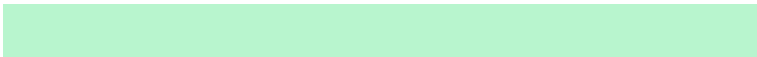
68.1188, 59.0232, 77.6180

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.4482, 79.9514, 83.6089



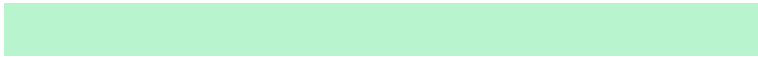
63.5602, 79.9514, 70.4747



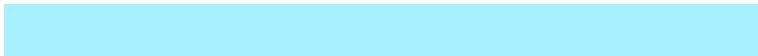
84.6105, 79.9514, 125.9924

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.5602, 79.9514, 70.4747



69.9576, 79.9514, 130.5122



89.9462, 79.9514, 106.0475

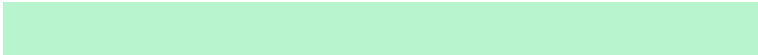


82.3625, 79.9514, 54.5033



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.5602, 79.9514, 70.4747



63.5223, 79.9514, 105.7484



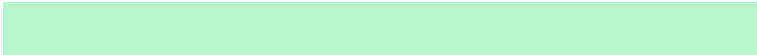
89.9462, 79.9514, 106.0475



89.9940, 79.9514, 70.7029

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



63.5624, 79.9547, 70.4765



87.0017, 96.0570, 99.2152



71.9392, 84.5606, 57.8788



18.4805, 20.4909, 21.0634



0.0000, 0.0000, 0.0000

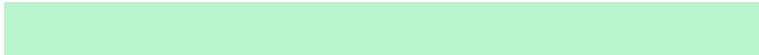


20.3446, 21.4041, 23.3091

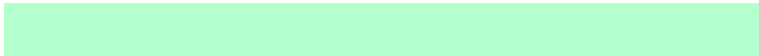


# Same Dimension

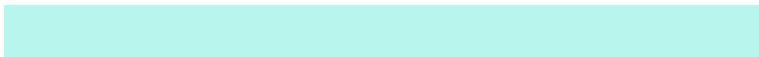
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.5624, 79.9547, 70.4765



65.3864, 85.5048, 71.5069



67.5407, 81.5461, 91.4263



16.5291, 18.5708, 18.8048



18.6076, 35.5879, 11.2195



1.6828, 3.1468, 1.2355



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



68.1188, 59.0232, 77.6180



71.1820, 58.8689, 80.5821



64.4415, 57.5523, 58.2536



16.9452, 16.6609, 19.4579



23.6170, 11.7902, 18.4892

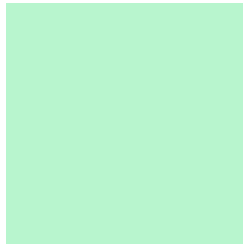


2.1248, 1.0559, 1.8834



# Previews

## White Background



This preview shows how the XYZ color 63.5602, 79.9514, 70.4747 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.5602, 79.9514, 70.4747 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

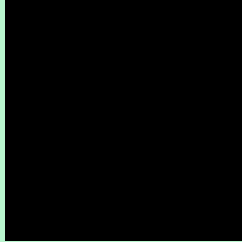
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 63.5602, 79.9514, 70.4747**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.5602, 79.9514, 70.4747.



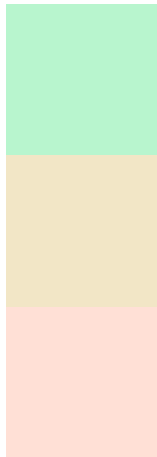
This preview shows how white text looks on a background with the XYZ color 63.5602, 79.9514,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

63.5602, 79.9514, 70.4747

### Protanopia

75.1078, 79.5481, 64.8218

### Deuteranopia

80.0333, 79.4263, 74.7309



## Tritanopia

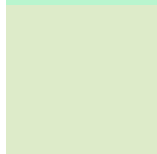
71.3601, 79.6587, 106.2223

# Trichromacy



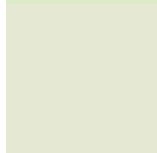
## Original Color

63.5602, 79.9514, 70.4747



## Protanomaly

70.0697, 79.0059, 66.8149



## Deuteranomaly

72.9276, 79.0744, 73.0472



## Tritanomaly

68.1844, 79.6411, 91.8993

# Monochromacy



## Original Color

63.5602, 79.9514, 70.4747



## Achromatopsia

69.4303, 73.0461, 79.5472



## Achromatomaly

66.7039, 74.9614, 75.9191

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.5602, 79.9514, 70.4747 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(184, 245, 206)` looks like.

```
.text, #text, p{  
    color:rgb(184, 245, 206)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(184, 245, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 245, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 63.5602, 79.9514, 70.4747 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(184, 245, 206) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(184, 245, 206) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(184, 245, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(184, 245, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(184, 245, 206); box-shadow:4px 4px 4px 4px rgb(184, 245, 206) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.5602, 79.9514, 70.4747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 245, 206) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(184,  
245, 206) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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